

Resuthane RS69

Rake applied heavy duty polyurethane flooring



RESIN SURFACES LIMITED

Product Data Sheet

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DESCRIPTION

RESUTHANE RS69 is a water based polyurethane resin screed designed to provide excellent heavy duty usage with resistance to thermal shock, abrasion and chemical attack in many aggressive environments.

RS69 and RSC90 grades are designed to be applied by use of rake and spike methods of application.

Resuthane surfaces are stable to steam cleaning and resistant to boiling water and process liquids up to 100°C when applied at 9mm nominal thickness. A matt, textured surface is provided that is both seamless and possesses good anti-slip properties.

ADVANTAGES

1. High chemical resistance
2. Resistant to hot water and steam cleaning
3. Self-sealing
4. Anti-slip finish
5. Matt finish
6. Extremely hard wearing
7. Non-taint
8. Fast application

WHERE TO USE

All areas where high wear , and high chemical resistant floors are required, which are seamless.

Food manufacture and processing
Chemical plant
Medical and veterinary practice
Breweries,
Dairies and Animal Husbandry
Heavy duty plant and traffic areas
Engineering etc.

GRADES AVAILABLE

RS69 - Standard grade with a medium blend of aggregates to give a 6-9 mm nominal thickness.

RSC90- A 4 pack system incorporating coarse grade aggregates for a maximum slip-resistant finish.
Nominal 9 mm thickness.

The Resuthane RS grades are more rapid to lay, but can provide a more textured and uneven finish than the trowel grades.

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CHEMICAL RESISTANCE

Excellent resistance to both organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents etc.

Prolonged exposure to high concentrations of some chemicals may adversely affect surface finish and colour, whilst not affecting the function of the floor.

Please refer to chemical resistance table Ref. RTCT.

Note

Due to the different aggregates used in coving grade materials, a variation in surface texture and colour density must be expected. Where a closer colour is required to adjacent surfaces then Resuthane 100 should be used to overcoat the Resuthane JT40 within 24 hrs of application.

PHYSICAL PROPERTIES AT 20°C

Pack Size

RS69 and RSC90 26kg units

Coverage rates per 26 kg. unit

6mm nominal thickness – 2.0 sq.m.
9mm nominal thickness – 1.35 sq.m.

Pot life incl. aggregate

15 minutes (8 min at 25 C)

Tack free time Light traffic

4-6 hours 12-16 hours

Heavy Traffic Full Cure

24 hours 3-5 days

COLOURS AVAILABLE

Tile Red Mid Blue Slate Grey
Marigold Mid Green Silver Grey

PREPARATION

To achieve the best performance from **RESUTHANE RS69** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of

surface laitence. All surfaces must be prepared by vacuum blasting or mechanical abrasion.

To ensure the maximum bond is achieved, grooves must be cut into the perimeter of the subfloor, typically 20mm deep by 8mm wide. These should be inset approximately 150mm from, and running parallel with the walls and adjacent to any doorways, plinths etc. including any finished edge, i.e. both sides of a daywork joint. The groove must have a neat square edge and the **RESUTHANE** laid in to the full depth, forming a perimeter anchorage.

Steel decking must be clean, sound and properly supported to prevent flexing. Deckplate of less than 4mm is not recommended. Surfaces should be shotblasted to SA2.5 (bright steel) and primed with **Resuprime ZP**. Priming should be extended to 100mm above the screed level where a coving is installed.

APPLICATION

RH Maximum. Do not pre-warm this product as working times will be substantially reduced if materials are warm.

Surfaces should be primed with **R.S. Contract Primer**, at an average rate of 5 sq.m. per kg. **R.S. Dampshield** should be applied if the relative humidity of the concrete is greater than 75% RH at 4 sq.m. per kg.

When the surface is tack free Resuthane should be applied at the required rate, as soon after mixing as possible. (Delay can result in variation in surface finish, and application problems.)

Mix the coloured base component to an even consistency, ensuring the re-dispersion of any settled pigment. Scrape the contents of the base and hardener components into the same container and mix thoroughly for one minute. Pour the mixed base and hardener into a rotary drum mixer and add the aggregate component steadily, until a homogeneous mix is achieved. Apply to pre-primed areas and level with a pin-rake or other similar device. Over roll with a spiked roller within 5 minutes to compact and level the surface taking care to not displace the aggregates

MAINTENANCE

Regular cleaning of the finished screed is recommended in order to maintain the slip-resistance and aesthetic properties of the floor. Mild detergents in combination with pressure washing/steam cleaning may be employed (when applied at 9mm thickness).

HYGIENE

RESUTHANE is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets.

In all cases, spillage or skin contamination should be cleaned as soon as possible, by dry wiping of the affected area, and thorough washing with soap and water.

Consult Safety Data Sheet Ref. HSCS.

The information given in this data sheet is derived from tests which are believed to be reliable. The information is offered without guarantee to enable purchasers to decide more readily by their own tests, the suitability of the product for their particular application. Any specification or advice given by the company is based on the information supplied by the purchaser. Resin Surfaces cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertaking can be given against infringement of patents.